1ST SEARCH


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L1             2 E3-4

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L4             1 E3

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FILE COVERS 1907 - 18 Nov 2004  VOL 141 ISS 21
FILE LAST UPDATED: 17 Nov 2004  (20041117/ED)

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> d all l1 tot

L1   ANSWER 1 OF 2  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2002:555963  HCAPLUS
DN   137:114538
ED   Entered STN:  26 Jul 2002
TI   Ionic molecular conjugates of N-acylated derivatives of
     poly(2-amino-2-deoxy-D-glucose) and polypeptides
IN   Shalaby, Shalaby W.; Jackson, Steven A.; Ignatious, Francis X.; Moreau,
     Jacques-Pierre; Russell, Ruth M.
PA   USA
SO   U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Ser. No. 929,363.
     CODEN: USXXCO
DT   Patent
LA   English
IC   ICM  A61K009-00
NCL  424400000
CC   63-6 (Pharmaceuticals)
     Section cross-reference(s): 34
FAN.CNT 3
     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
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PI   US 2002098206        A1    20020725    US 1998-169423          19981009
     US 6479457           B2    20021112
     US 5665702           A     19970909    US 1995-468947          19950606
     US 5821221           A     19981013    US 1997-929363          19970909
     CA 2346066           AA    20000420    CA 1999-2346066         19991008 <--
     WO 2000021567        A1    20000420    WO 1999-US23406         19991008 <--
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             IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
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Search done by Noble Jarrell

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            SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ,
            BY, KG, KZ, MD, RU, TJ, TM
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            DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
            CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
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            IE, SI, LT, LV, FI, RO
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     US 6794364          B2    20040921
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     US 1997-929363      A2    19970909
     US 1998-169423      A     19981009
     WO 1999-US23406     W     19991008  <--
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                  NCL    424400000
 US 2002098206    ECLA   A61K038/31; C08B037/00M3B2
 US 2003092800    ECLA   A61K038/31; A61K047/48K8; C08B037/00M3B2; C08L005/08
AB   A copolymer comprising an N-acylated derivative, and a composition comprising said
     copolymer and a polypeptide, said polypeptide comprising at least one
     effective ionogenic amine, wherein at least 50 %, by weight, of said
     polypeptide present in said composition is ionically bound to said polymer.
     Conjugates were prepared from chitosan derivs. and a somatostatin
     polypeptide analog Somatuline.
ST   peptide acyl glucosamine polymer deriv conjugate; chitosan peptide
     conjugate drug delivery
IT   Peptides, biological studies
     RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
        (conjugates; oral pharmaceutical dosage forms for pulsatile delivery of
        an antiarrhythmic agent)
IT   Drug delivery systems
        (oral pharmaceutical dosage forms for pulsatile delivery of an
        antiarrhythmic agent)
IT   9012-76-4, Chitosan   9012-76-4D, Chitosan, N-succinylated
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (ionic mol. conjugates of N-acylated derivs. of poly(2-amino-2-deoxy-D-
        glucose) and polypeptides)
IT   108-30-5DP, Succinic anhydride, reaction products with depolymd. chitosan
     108-55-4DP, Glutaric anhydride, reaction products with depolymd. chitosan
     123-62-6DP, Propionic anhydride, reaction products with depolymd. chitosan
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (ionic mol. conjugates of N-acylated derivs. of poly(2-amino-2-deoxy-D-
        glucose) and polypeptides)
IT   9012-76-4DP, Chitosan, depolymd., acyl derivs., conjugates with peptides
     35110-26-0DP, acyl derivs., conjugates with peptides   53714-56-0DP,
     conjugates   57773-63-4DP, conjugates   57773-65-6DP, conjugates
     57982-77-1DP, conjugates   64717-45-9DP, conjugates   65807-02-5DP,
     conjugates   66866-63-5DP, conjugates   76712-82-8DP, conjugates
     78115-75-0DP, conjugates   127984-74-1DP, Somatuline, conjugates with acyl
     chitosan derivs.   132609-33-7DP, conjugates   148440-40-8DP, conjugates
     204388-13-6DP, conjugates   204388-14-7DP, conjugates   215937-92-1DP,
     conjugates   215945-52-1DP, conjugates
     RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological
     study); PREP (Preparation); USES (Uses)
        (ionic mol. conjugates of N-acylated derivs. of poly(2-amino-2-deoxy-D-
        glucose) and polypeptides)
IT   51110-01-1D, Somatostatin, analogs
     RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL
     (Biological study); USES (Uses)
        (oral pharmaceutical dosage forms for pulsatile delivery of an
        antiarrhythmic agent)
IT   9002-64-6, Parathyroid hormone
     RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
        (oral pharmaceutical dosage forms for pulsatile delivery of an
        antiarrhythmic agent)

L1   ANSWER 2 OF 2  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2000:260068  HCAPLUS
DN   132:284253
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ED Entered STN: 21 Apr 2000
TI Ionic molecular conjugates of N-acylated derivatives of poly(2-amino-2-deoxy-D-glucose) and polypeptides
IN Shalaby, Shalaby W.; Jackson, Steven A.; Ignatious, Francis X.; Moreau, Jacques-Pierre; Russell, Ruth M.
PA Societe De Conseils De Recherches Et D'applications Scientifiques S.A., Fr.
SO PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM A61K047-36
ICS A61K038-00; C08L005-08; C08B037-08
CC 63-6 (Pharmaceuticals)
Section cross-reference(s): 2, 33, 34
FAN.CNT 3

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	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 2002098206	A1	20020725	US 1998-169423	19981009
	US 6479457	B2	20021112		
	CA 2346066	AA	20000420	CA 1999-2346066	19991008 <--
	EP 1123112	A1	20010816	EP 1999-954780	19991008 <--
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2002527533	T2	20020827	JP 2000-575539	19991008 <--
	NO 2001001744	A	20010606	NO 2001-1744	20010406 <--
PRAI	US 1998-169423	A1	19981009		
	US 1995-468947	A3	19950606		
	US 1997-929363	A2	19970909		
	WO 1999-US23406	W	19991008 <--		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2000021567	ICM	A61K047-36
	ICS	A61K038-00; C08L005-08; C08B037-08
US 2002098206	ECLA	A61K038/31; C08B037/00M3B2

AB A copolymer comprises an N-acylated derivative, and a composition comprising said copolymer and a polypeptide, said polypeptide comprising at least one effective ionogenic amine, wherein at least 50 percent, by weight, of said polypeptide present in said composition is ionically bound to said polymer. Chitosan was depolymd., succinylated, , acetylated, and conjugated to the somatostatin peptide analog Somatuline.

ST aminodeoxyglucose polymer peptide conjugate
IT Drug delivery systems
(ionic mol. conjugates of N-acylated derivs. of poly(2-amino-2-deoxy-D-glucose) and polypeptides)
IT 127984-74-1DP, Somatuline, conjugates with poly(N-acyl-D-glucosamine)s
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(ionic mol. conjugates of N-acylated derivs. of poly(2-amino-2-deoxy-D-glucose) and polypeptides)
IT 108-30-5D, Succinic anhydride, reaction products with depolymd.chitosan, conjugates with peptides 108-55-4D, Glutaric anhydride, reaction products with depolymd.chitosan, conjugates with peptides 123-62-6D, Propionic anhydride, reaction products with depolymd.chitosan, conjugates with peptides 9012-76-4D, Chitosan, depolymd., acyl derivs., conjugates with peptides 35110-26-0D, D-Glucose, 2-amino-2-deoxy-, homopolymer, N-acyl derivs., conjugates with peptides 38234-21-8D, Fertirelin, conjugates with poly(N-acyl-D-glucosamine)s 53714-56-0D, Leuprorelin, conjugates with poly(N-acyl-D-glucosamine)s 57773-63-4D, Tryptorelin, conjugates with poly(N-acyl-D-glucosamine)s 57773-65-6D, Deslorelin, conjugates with poly(N-acyl-D-glucosamine)s 57982-77-1D, Buserelin, conjugates with poly(N-acyl-D-glucosamine)s 65807-02-5D, Goserelin, conjugates with poly(N-acyl-D-glucosamine)s 66866-63-5D, Lutrelin, conjugates with poly(N-acyl-D-glucosamine)s 76712-82-8D, Histrelin, conjugates with poly(N-acyl-D-glucosamine)s 76932-56-4D, Nafarelin,

conjugates with poly(N-acyl-D-glucosamine)s 113294-82-9D, conjugates with poly(N-acyl-D-glucosamine)s 204388-13-6D, conjugates with poly(N-acyl-D-glucosamine)s 215937-92-1D, conjugates with poly(N-acyl-D-glucosamine)s
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(ionic mol. conjugates of N-acylated derivs. of poly(2-amino-2-deoxy-D-glucose) and polypeptides)
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Biomeasure Inc; WO 9504752 A 1995 HCAPLUS
(2) Kent, J; US 4675189 A 1987 HCAPLUS
(3) McNeil Ppc Inc; EP 0643963 A 1995 HCAPLUS
(4) Shalaby, S; WO 9639160 A 1996 HCAPLUS
(5) Song, Y; JOURNAL OF CONTROLLED RELEASE V42(1), P93

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STRUCTURE FILE UPDATES: 17 NOV 2004 HIGHEST RN 783276-57-3
DICTIONARY FILE UPDATES: 17 NOV 2004 HIGHEST RN 783276-57-3

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http://www.cas.org/ONLINE/DBSS/registryss.html

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L3 ANSWER 1 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN **215945-52-1** REGISTRY
CN L-Threoninamide, N-[[4-(2-hydroxyethyl)-1-piperazinyl]acetyl]-D-phenylalanyl-L-phenylalanyl-L-phenylalanyl-D-tryptophyl-L-lysyl-L-threonyl-L-phenylalanyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 11: PN: US6004928 TABLE: 1 claimed protein
CN BIM 23272
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified (modifications unspecified)

type	------ location ------		description
stereo	Phe-2	-	D
stereo	Trp-5	-	D

PATENT ANNOTATIONS (PNTE):

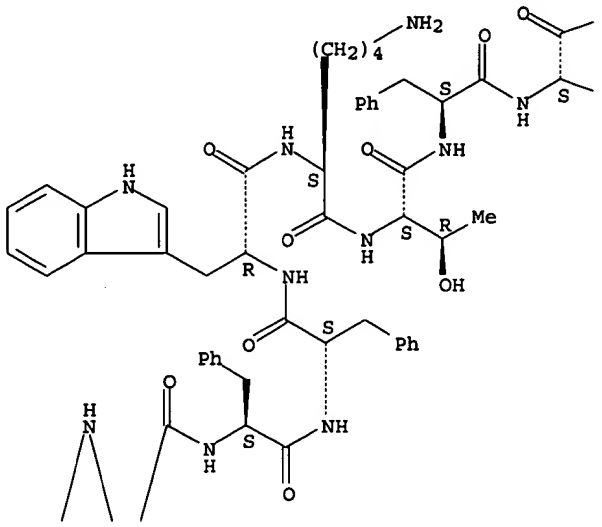
Sequence Source	Patent Reference
Not Given	US6004928 claimed TABLE 1

SEQ 1 GFFFWKTFT
MF C69 H89 N13 O12
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



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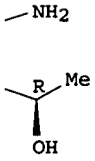

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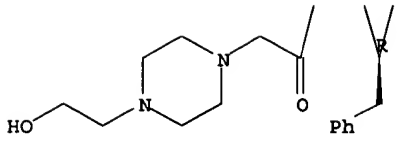

9 REFERENCES IN FILE CA (1907 TO DATE)
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9 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN **215937-92-1** REGISTRY
CN L-Threoninamide, N-[[2-[4-(2-hydroxyethyl)-1-piperazinyl]ethyl]sulfonyl]-D-phenylalanyl-L-phenylalanyl-L-phenylalanyl-D-tryptophyl-L-lysyl-L-threonyl-L-phenylalanyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 8
NTE modified

type	------ location ------		description
terminal mod.	Thr-8	-	C-terminal amide
modification	Phe-1	-	undetermined modification

SEQ 1 FFFWKTFT

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MF C69 H91 N13 O13 S
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LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL
DT.CA CAplus document type: Patent
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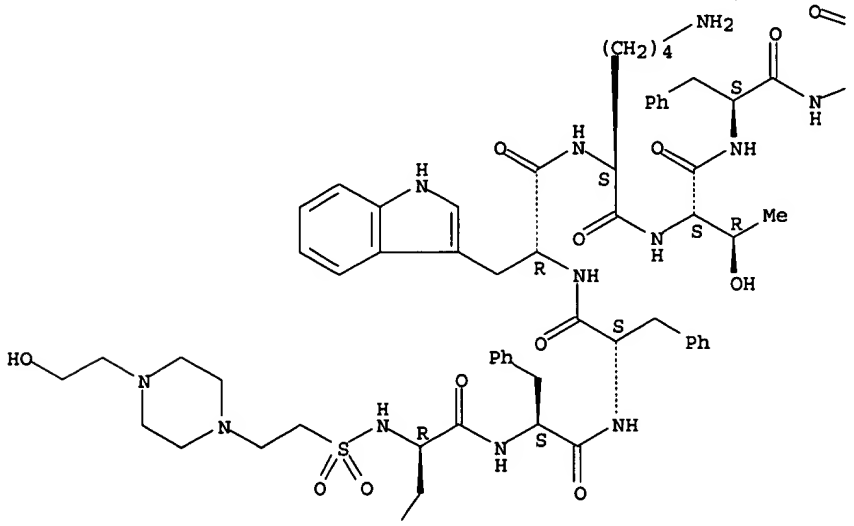
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



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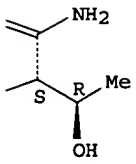

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7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN **204388-14-7** REGISTRY
CN L-Threoninamide, N-[[4-(2-hydroxyethyl)-1-piperazinyl]acetyl]-D-phenylalanyl-L-cysteinyl-L-tyrosyl-D-tryptophyl-L-lysyl-(2S)-2-aminobutanoyl-L-cysteinyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified (modifications unspecified)

type	------ location ------		description
uncommon	Abu-7	-	-
stereo	Phe-2	-	D
stereo	Tyr-5	-	D

Search done by Noble Jarrell

SEQ 1 GFCYWKXCT

RELATED SEQUENCES AVAILABLE WITH SEQLINK
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LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); USES (Uses)
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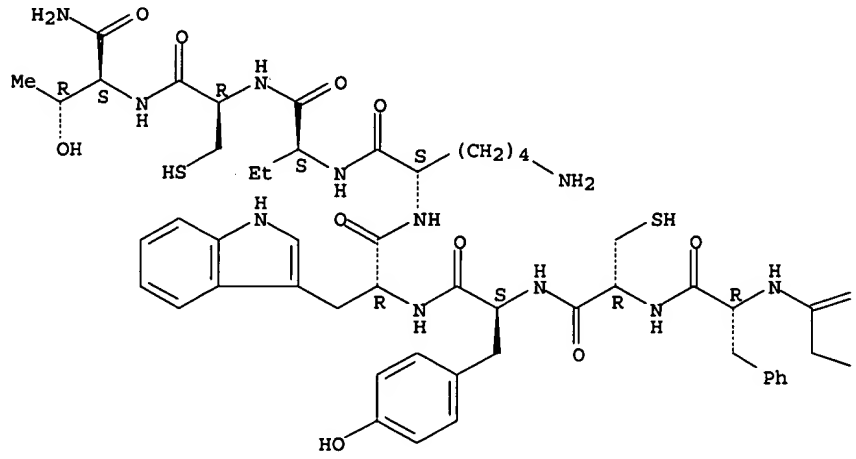
Absolute stereochemistry.

PAGE 1-A



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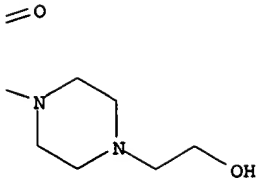

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5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 4 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN **204388-13-6** REGISTRY
CN L-Threoninamide, N-[[2-[4-(2-hydroxyethyl)-1-piperazinyl]ethyl]sulfonyl]-D-phenylalanyl-L-cysteinyl-L-tyrosyl-D-tryptophyl-L-lysyl-(2S)-2-aminobutanoyl-L-cysteinyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 8
NTE modified

Search done by Noble Jarrell

type	location		description
terminal mod.	Thr-8	-	C-terminal amide
uncommon	Abu-6	-	-
modification	Phe-1	-	undetermined modification

SEQ 1 FCYWKXCT

RELATED SEQUENCES AVAILABLE WITH SEQLINK
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SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL
DT.CA CAplus document type: Patent
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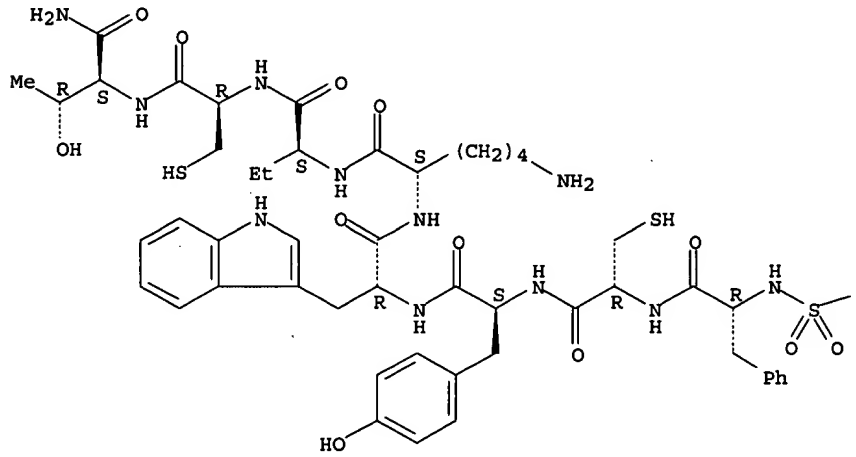
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



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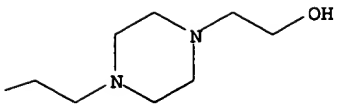

6 REFERENCES IN FILE CA (1907 TO DATE)
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6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN **148440-40-8** REGISTRY
CN L-Threoninamide, 3-(1-naphthalenyl)-D-alanyl-L-cysteinyl-L-tyrosyl-D-tryptophyl-L-lysyl-L-valyl-L-cysteinyl-, cyclic (2.fwdarw.7)-disulfide (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,2-Dithia-5,8,11,14,17-pentaazacycloeicosane, cyclic peptide deriv.
FS PROTEIN SEQUENCE; STEREOSEARCH

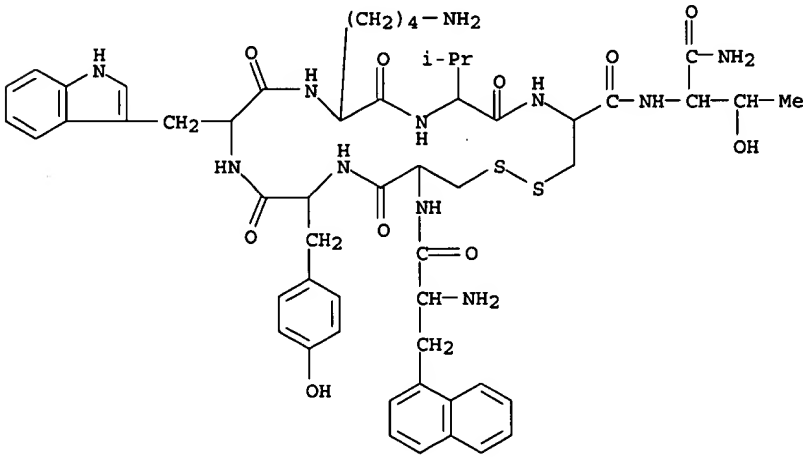
Search done by Noble Jarrell

SQL 8
NTE modified

type	------ location ------		description
terminal mod.	Thr-8	-	C-terminal amide
bridge	Cys-2	- Cys-7	disulfide bridge
modification	Ala-1	-	1-naphthalenyl<1-Naph>

SEQ 1 ACYWKVCT

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C54 H69 N11 O10 S2
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: RACT (Reactant or reagent)



4 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN **132609-33-7** REGISTRY
CN L-Threoninamide, 3-(1-naphthalenyl)-D-alanyl-L-cysteinyl-L-tyrosyl-D-tryptophyl-L-lysyl-L-valyl-L-cysteinyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Lantreotide
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 8
NTE modified

type	------ location ------		description
terminal mod.	Thr-8	-	C-terminal amide
modification	Ala-1	-	1-naphthalenyl<1-Naph>

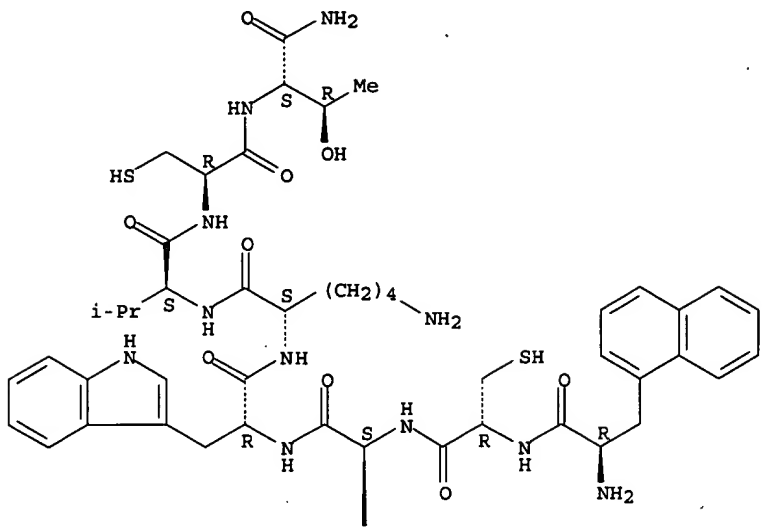
SEQ 1 ACYWKVCT

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C54 H71 N11 O10 S2
SR CA
LC STN Files: BIOSIS, CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

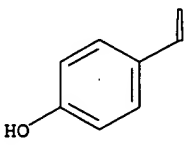
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study)

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



5 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 7 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN **127984-74-1** REGISTRY
CN L-Threoninamide, 3-(2-naphthalenyl)-D-alanyl-L-cysteinyl-L-tyrosyl-D-tryptophyl-L-lysyl-L-valyl-L-cysteinyl-, cyclic (2.fwdarw.7)-disulfide, acetate (salt) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,2-Dithia-5,8,11,14,17-pentaazacycloeicosane, cyclic peptide deriv.
OTHER NAMES:
CN 2: PN: WO0006185 PAGE: 8 claimed protein
CN BIM 23014C
CN Lanreotide acetate
CN Somatulina
CN Somatuline
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 8
NTE modified

type	------ location ------		description
terminal mod.	Thr-8	-	C-terminal amide
bridge	Cys-2	- Cys-7	disulfide bridge
modification	-	-	undetermined modification
modification	Ala-1	-	2-naphthalenyl<2-Naph>

PATENT ANNOTATIONS (PNTE):

Sequence Source	Patent Reference

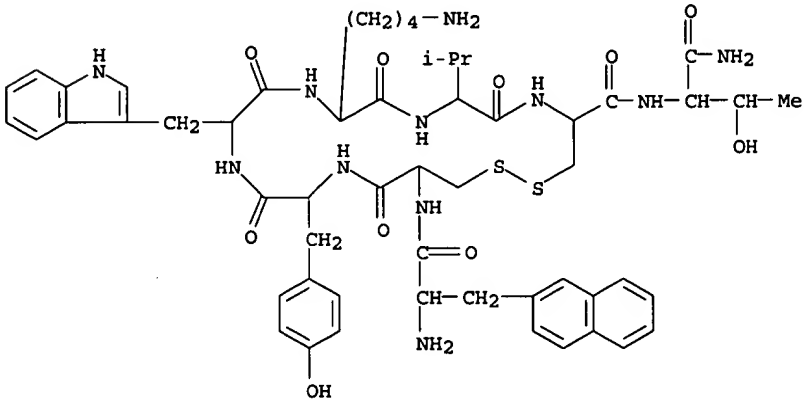
Not Given	WO2000006185 claimed PAGE 8

SEQ 1 ACYWKVCT

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C54 H69 N11 O10 S2 . x C2 H4 O2
SR CA
LC STN Files: BIOBUSINESS, BIOSIS, CA, CAPLUS, CIN, DDFU, DRUGU, IMSCOSEARCH, IMSPATENTS, IMSRESEARCH, IPA, MRCK*, PROMT, PROUSDDR, TOXCENTER, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PROC (Process); RACT (Reactant or reagent); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
RL.NP Roles from non-patents: BIOL (Biological study); PROC (Process); PRP (Properties); USES (Uses)

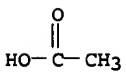
CM 1

CRN 108736-35-2
CMF C54 H69 N11 O10 S2



CM 2

CRN 64-19-7
CMF C2 H4 O2



47 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
47 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 8 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN **113294-82-9** REGISTRY
CN L-Threoninamide, 3-(2-naphthalenyl)-D-alanyl-L-cysteinyl-L-tyrosyl-D-tryptophyl-L-lysyl-L-valyl-L-cysteinyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 8
NTE modified

type	------ location ------		description
terminal mod.	Thr-8	-	C-terminal amide
modification	Ala-1	-	2-naphthalenyl<2-Naph>

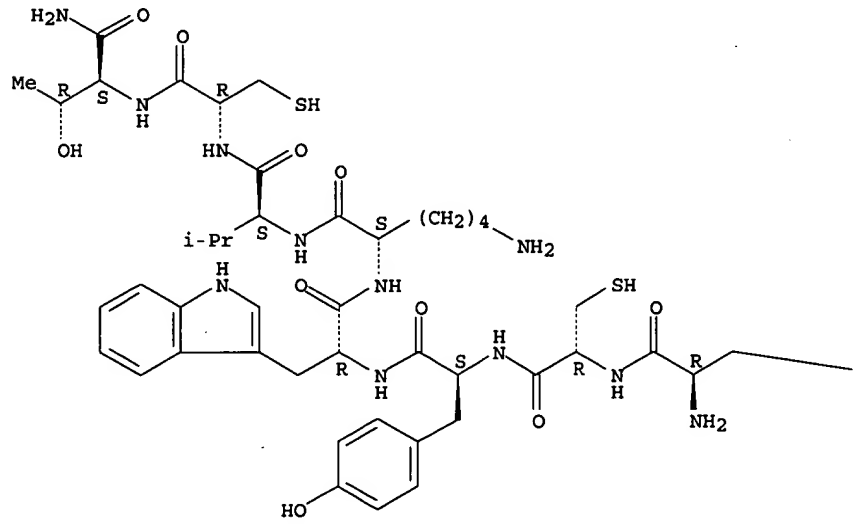
Search done by Noble Jarrell

SEQ 1 ACYWKVCT

RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C54 H71 N11 O10 S2
SR CA
LC STN Files: BIOTECHNO, CA, CANCERLIT, CAPLUS, EMBASE, MEDLINE, TOXCENTER, USPATFULL
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



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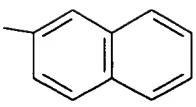


10 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
10 REFERENCES IN FILE CAPLUS (1907 TO DATE)

Search done by Noble Jarrell

L3 ANSWER 9 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN 78115-75-0 REGISTRY
CN Luteinizing hormone-releasing factor (swine), 6-[3-(1-naphthalenyl)-D-alanine]- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Luteinizing hormone-releasing factor (pig), 6-[3-(1-naphthalenyl)-D-alanine]-
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 10
NTE modified

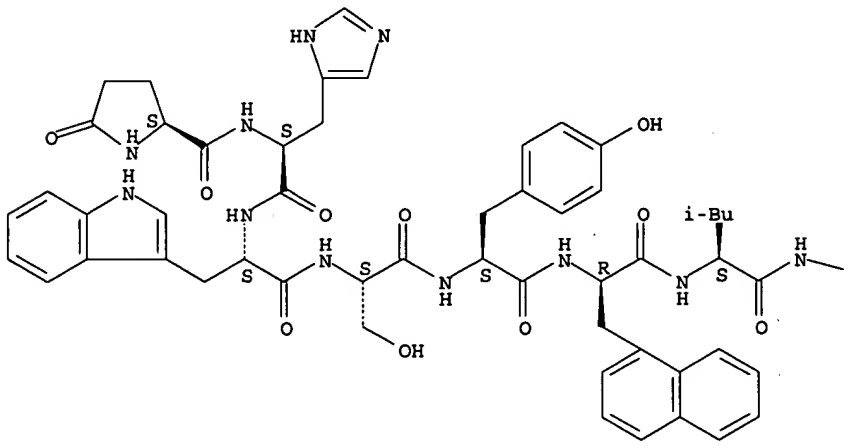
type	------ location ------		description
terminal mod.	Gly-10	-	C-terminal amide
uncommon	Glp-1	-	-
modification	Ala-6	-	1-naphthalenyl<1-Naph>

SEQ 1 XHWSYALRPG

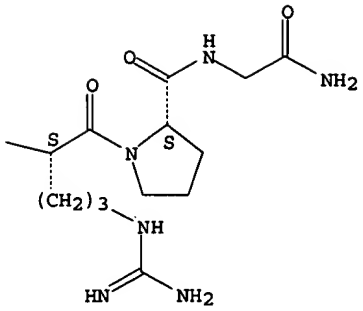
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C66 H83 N17 O13
CI COM
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL
DT.CA CAplus document type: Conference; Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry. Rotation (-).

PAGE 1-A



PAGE 1-B



6 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 10 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN **76932-56-4** REGISTRY
CN Luteinizing hormone-releasing factor (swine), 6-[3-(2-naphthalenyl)-D-alanine]- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Luteinizing hormone-releasing factor (pig), 6-[3-(2-naphthalenyl)-D-alanine]-
OTHER NAMES:
CN Nafarelin
CN Nafareline
CN NAG
CN [6-D-(2-naphthyl)-alanine]LH-RH
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 10
NTE modified

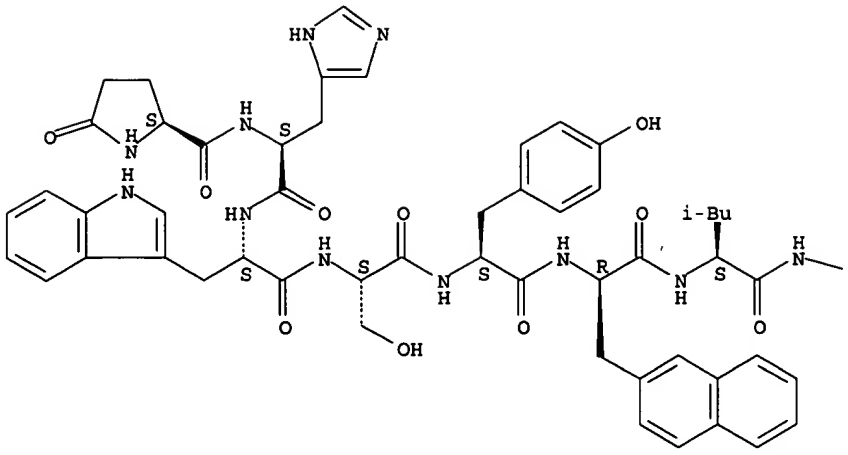
type	------ location ------		description
terminal mod.	Gly-10	-	C-terminal amide
uncommon	Glp-1	-	-
modification	Ala-6	-	2-naphthalenyl<2-Naph>

SEQ 1 XHWSYALRPG

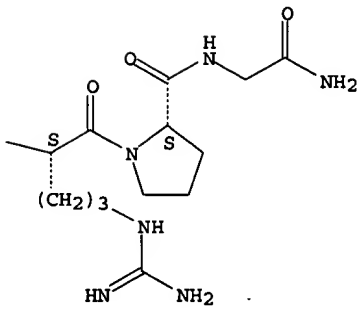
RELATED SEQUENCES AVAILABLE WITH SEQLINK
DR 80458-30-6
MF C66 H83 N17 O13
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CBNB, CHEMCATS, CIN, DDFU, DRUGU, EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, PHAR, PROMT, PROUSDDR, RTECS*, TOXCENTER, USAN, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: WHO
DT.CA CAplus document type: Conference; Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)
RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



228 REFERENCES IN FILE CA (1907 TO DATE)
7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
229 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 11 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN **76712-82-8** REGISTRY
CN 1-9-Luteinizing hormone-releasing factor (swine), 6-[1-(phenylmethyl)-D-histidine]-9-(N-ethyl-L-prolinamide)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Luteinizing hormone-releasing factor (pig), 6-[1-(phenylmethyl)-D-histidine]-9-(N-ethyl-L-prolinamide)-10-deglycinamide-
OTHER NAMES:
CN Histrelin
CN ORF 17070
CN RWJ 17070
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified (modifications unspecified)

type	------ location ------		description
uncommon	Glp-1	-	-
modification	His-6	-	phenylmethyl<Bzl>

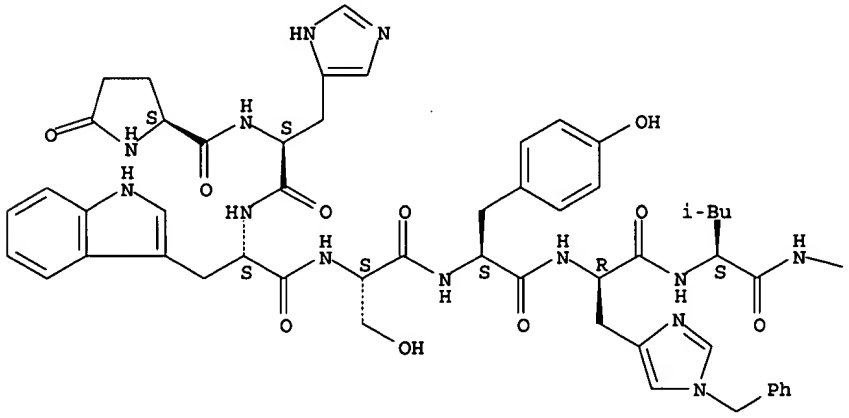
SEQ 1 XHWSYHLRP

Search done by Noble Jarrell

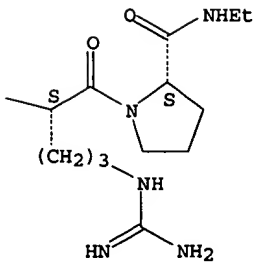
RELATED SEQUENCES AVAILABLE WITH SEQLINK
DR 97708-83-3, 102989-36-6
MF C66 H86 N18 O12
CI COM
LC STN Files: ADISNEWS, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CHEMCATS, CIN, DDFU, DRUGU, EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, PHAR, PROMT, PROUSDDR, RTECS*, TOXCENTER, USAN, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: WHO
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PROC (Process); RACT (Reactant or reagent); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



119 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
120 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 12 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN 66866-63-5 REGISTRY
CN 1-9-Luteinizing hormone-releasing factor (swine), 6-D-tryptophan-7-(N-methyl-L-leucine)-9-(N-ethyl-L-prolinamide)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:
CN Luteinizing hormone-releasing factor (pig), 6-D-tryptophan-7-(N-methyl-L-leucine)-9-(N-ethyl-L-prolinamide)-10-deglycinamide-
OTHER NAMES:
CN Lutrelin
CN Wy 40972
CN Wyeth 40972
CN [D-Trp6-N-methyl-Leu7-des-Gly10-Pro9-NH]-LH-RH ethylamide
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified (modifications unspecified)

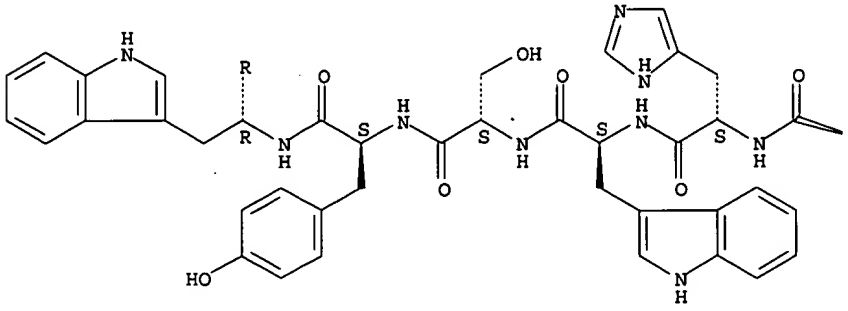
type	------ location ------		description
uncommon	Glp-1	-	-
modification	Leu-7	-	methyl<Me>

SEQ 1 XHWSYWLRP

RELATED SEQUENCES AVAILABLE WITH SEQLINK
DR 102586-12-9, 67910-57-0
MF C65 H85 N17 O12
CI COM
LC STN Files: BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, MEDLINE, PHAR, PROUSDDR, RTECS*, TOXCENTER, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: WHO
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); PROC (Process)

Absolute stereochemistry.

PAGE 1-A



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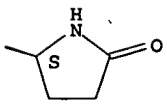
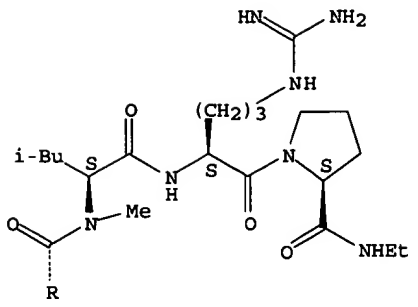


PAGE 2-A



79 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
79 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 13 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN 65807-02-5 REGISTRY
CN 1-9-Luteinizing hormone-releasing factor (swine), 6-[O-(1,1-dimethylethyl)-D-serine]-, 2-(aminocarbonyl)hydrazide (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Luteinizing hormone-releasing factor (pig), 6-[O-(1,1-dimethylethyl)-D-serine]-10-deglycinamide-, 2-(aminocarbonyl)hydrazide
OTHER NAMES:
CN Decapeptide I
CN Goserelin
CN ICI 118630
CN Zoladex
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified (modifications unspecified)

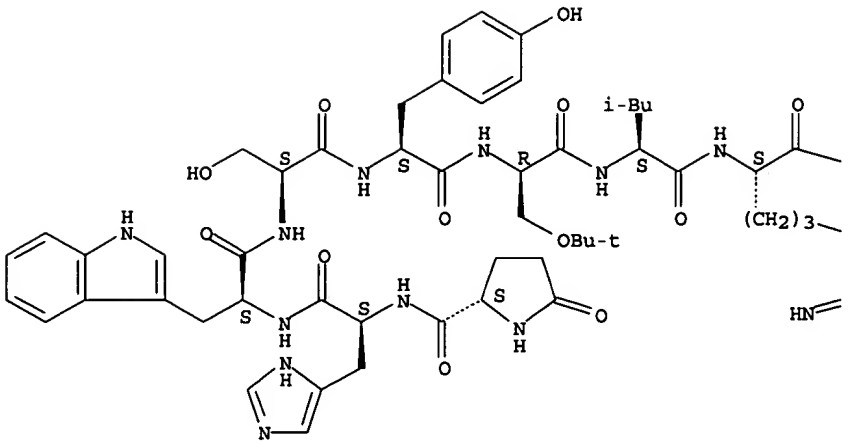
type	------ location ------		description
uncommon	Glp-1	-	-
modification	Ser-6	-	1,1-dimethylethyl<t-Bu>

SEQ 1 XHWSYSLRP

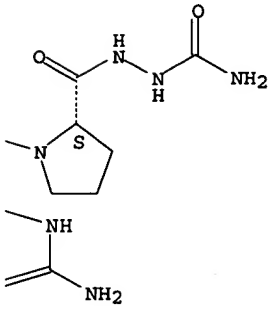
RELATED SEQUENCES AVAILABLE WITH SEQLINK
DR 70280-59-0
MF C59 H84 N18 O14
CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, DDFU, DIOGENES, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, PHAR, PROMT, PROUSDDR, PS, RTECS*, TOXCENTER, USAN, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: WHO
DT.CA CAplus document type: Conference; Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)
RLD.NP Roles for non-specific derivatives from non-patents: PRP (Properties)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



489 REFERENCES IN FILE CA (1907 TO DATE)
10 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
492 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 14 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN **64717-45-9** REGISTRY
CN 1-9-Luteinizing hormone-releasing factor (swine), 6-L-tryptophan-9-(N-ethyl-L-prolinamide)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Luteinizing hormone-releasing factor (pig), 6-L-tryptophan-9-(N-ethyl-L-prolinamide)-10-deglycinamide-
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified (modifications unspecified)

type	------ location ------		description
uncommon	Glp-1	-	-

SEQ 1 XHWSYWLRP

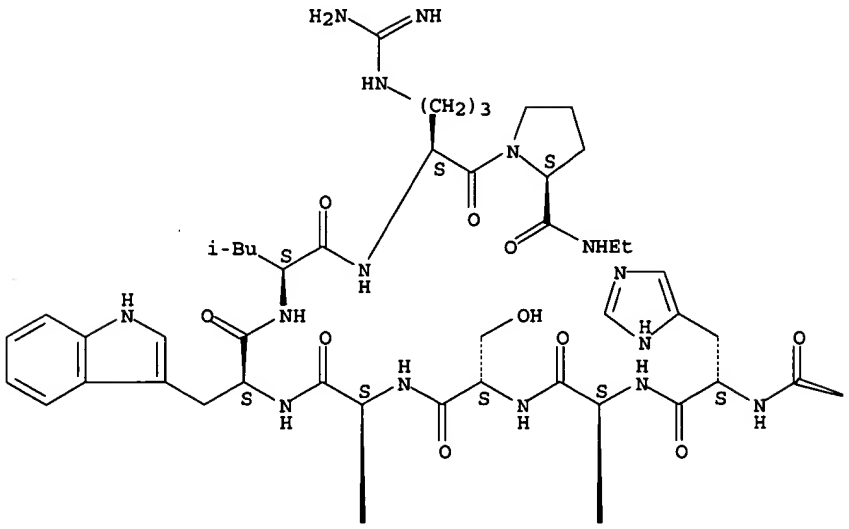
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C64 H83 N17 O12
CI COM
LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPAT2, USPATFULL
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: PREP (Preparation)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

Search done by Noble Jarrell

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.

PAGE 1-A



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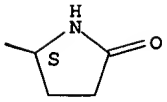

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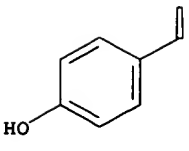
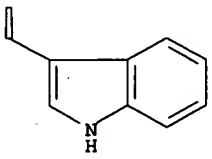




5 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 15 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN **57982-77-1** REGISTRY
CN 1-9-Luteinizing hormone-releasing factor (swine), 6-[O-(1,1-dimethylethyl)-D-serine]-9-(N-ethyl-L-prolinamide)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:

CN Luteinizing hormone-releasing factor (pig), 6-[O-(1,1-dimethylethyl)-D-serine]-9-(N-ethyl-L-prolinamide)-10-deglycinamide-
OTHER NAMES:
CN 1-9-(D-Ser(t-butyl))6-LH-releasing hormone ethylamide
CN Buserelin
CN Etilamide
CN HOE 766
CN HOE 766A
CN ICI 123215
CN Receptal
CN Suprefact
CN [D-Ser(tert-butyl)6,des-Gly-NH210]-LH-RH ethylamide
CN [D-Ser6(t-Bu),de-Gly10-NH2]-LH-RH ethylamide
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified (modifications unspecified)

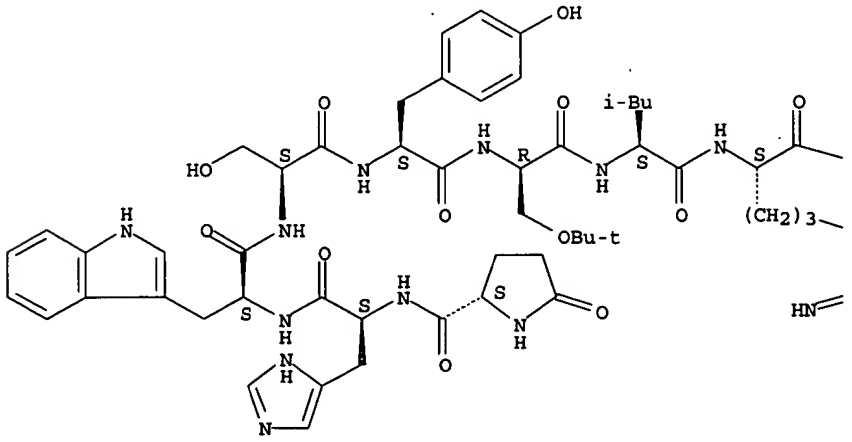
type	------ location ------		description
uncommon	Glp-1	-	-
modification	Ser-6	-	1,1-dimethylethyl<t-Bu>

SEQ 1 XHWSYSLRP

RELATED SEQUENCES AVAILABLE WITH SEQLINK
DR 476329-44-9, 121698-99-5, 102586-11-8, 104428-01-5, 111520-35-5, 70910-44-0
MF C60 H86 N16 O13
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IMSPATENTS, IPA, MEDLINE, MRCK*, PHAR, PROMT, PROUSDDR, PS, RTECS*, TOXCENTER, USAN, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: EINECS**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Conference; Dissertation; Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process)

Absolute stereochemistry.

PAGE 1-A



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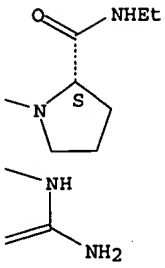


1041 REFERENCES IN FILE CA (1907 TO DATE)
12 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1042 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 16 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN 57773-65-6 REGISTRY
CN 1-9-Luteinizing hormone-releasing factor (swine), 6-D-tryptophan-9-(N-ethyl-L-prolinamide)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Luteinizing hormone-releasing factor (pig), 6-D-tryptophan-9-(N-ethyl-L-prolinamide)-10-deglycinamide-
OTHER NAMES:
CN Bachem 9022
CN D-Trp LHRH-PEA
CN D-Trp6-Pro9-N-ethylamide-LH-RH
CN Deslorelin
CN H 4065
CN PTL 3001
CN Somagard
CN Somagorad
CN [D-Trp6,des-Gly-NH210]-LH-RH ethylamide
CN [D-Trp6,des-Gly10]-LH-RH ethylamide
CN [D-Trp6,Pro9-NHEt]LH-RH
CN [de-Gly10,D-Trp6,Pro-NHEt]-LH-RH
CN [Des-Gly10[D-Trp6]-LH-RH ethylamide
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified (modifications unspecified)

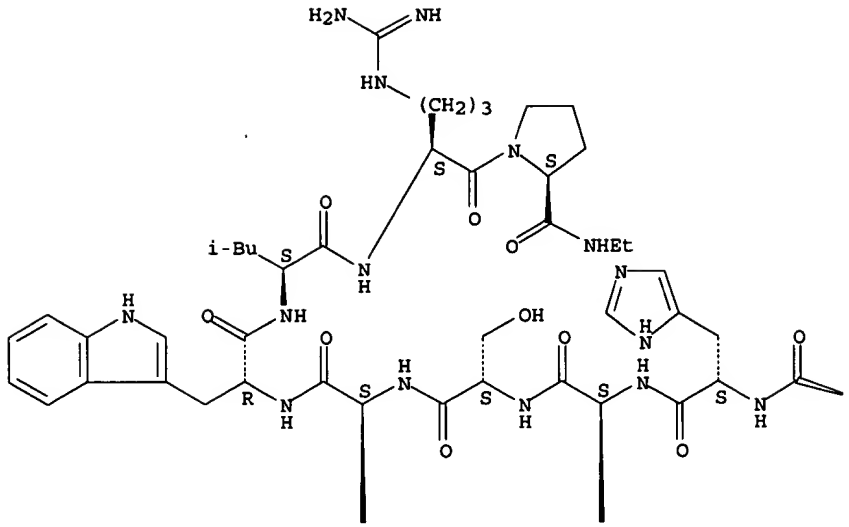
type	------ location ------		description
uncommon	Glp-1	-	-

SEQ 1 XHWSYWLRP

RELATED SEQUENCES AVAILABLE WITH SEQLINK
DR 67190-19-6
MF C64 H83 N17 O12
CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, CSCHEM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, PHAR, PROMT, PROUSDDR, PS, RTECS*, TOXCENTER, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: WHO
DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



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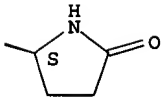

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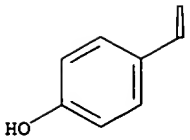

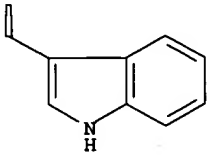

327 REFERENCES IN FILE CA (1907 TO DATE)
7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
328 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 17 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN 57773-63-4 REGISTRY
CN Luteinizing hormone-releasing factor (swine), 6-D-tryptophan- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Luteinizing hormone-releasing factor (pig), 6-D-tryptophan-
OTHER NAMES:
CN 6-D-Tryptophan-LH-RH

Search done by Noble Jarrell

CN AY 25650
CN CL 118532
CN D-Tryptophan6-LH-RH
CN Triptorelin
CN Triptoreline
CN Tryptorelin
CN Wy 42422
CN Wy 42462
CN [6-D-Tryptophan]luteinizing hormone-releasing hormone
CN [D-Trp6]-GnRH
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 10
NTE modified

type	------ location ------		description
terminal mod.	Gly-10	-	C-terminal amide
uncommon	Glp-1	-	-

SEQ 1 XHWSYWLRPG

RELATED SEQUENCES AVAILABLE WITH SEQLINK
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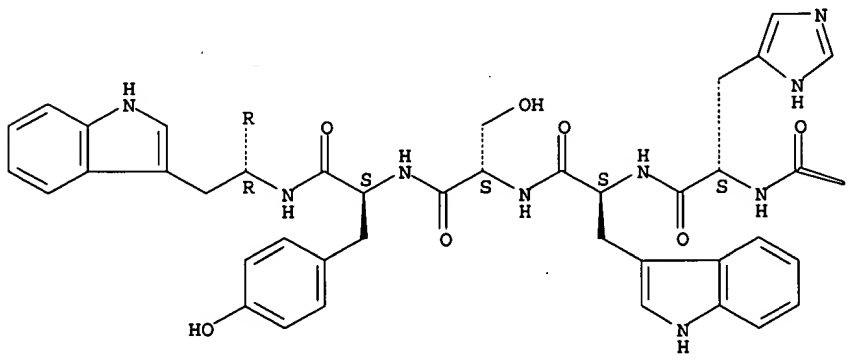
CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, PHAR, PROMT, PROUSDDR, TOXCENTER, USAN, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: WHO
DT.CA CAplus document type: Conference; Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); PROC (Process); PRP (Properties)

Absolute stereochemistry. Rotation (-).

PAGE 1-A



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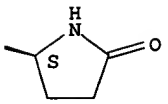

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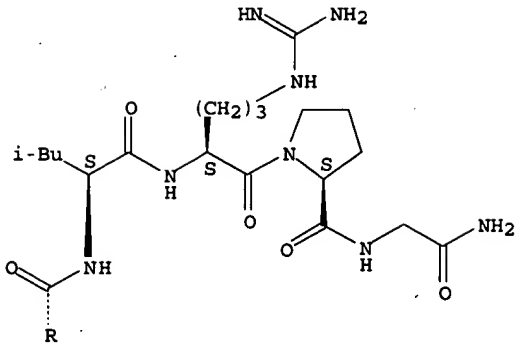


583 REFERENCES IN FILE CA (1907 TO DATE)
13 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
585 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 18 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN **53714-56-0** REGISTRY
CN 1-9-Luteinizing hormone-releasing factor (swine), 6-D-leucine-9-(N-ethyl-L-prolinamide)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Luteinizing hormone-releasing factor (pig), 6-D-leucine-9-(N-ethyl-L-prolinamide)-10-deglycinamide-
OTHER NAMES:
CN (D-Leu6, des-Gly-NH210)-LH-RH ethylamide
CN 1: PN: WO02087616 PAGE: 31 claimed protein
CN A 43818
CN D-Leu6-des-Gly10-LH-releasing hormone ethylamide
CN Des-Gly10-[D-Leu6]-LH-releasing hormone ethylamide
CN Des-Gly10-[D-Leu6]LH-RH ethylamide
CN Leuprolide
CN Leuprorelin
CN Lupron SR
CN NSC 377526
CN PGlu-His-Trp-Ser-Tyr-D-Leu-Leu-Arg-Pro-NHC2H5
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified (modifications unspecified)

type	------ location ------		description
uncommon	Glp-1	-	-

PATENT ANNOTATIONS (PNTE):

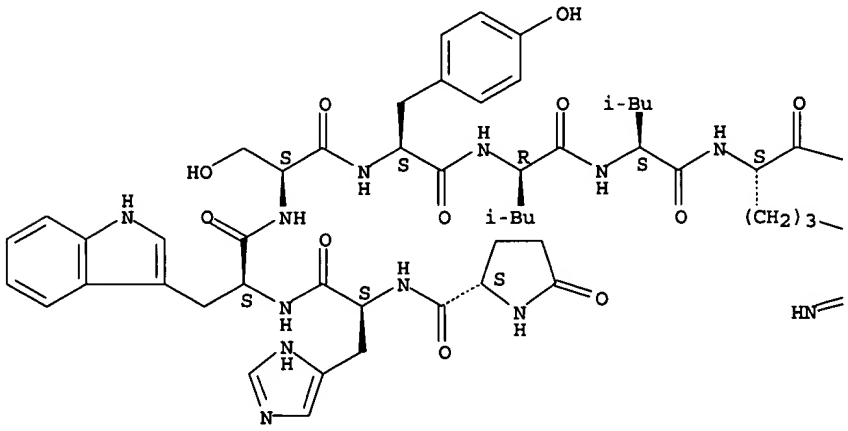
Sequence Source	Patent Reference
Not Given	WO2002087616 claimed PAGE 31

SEQ 1 XHWSYLLRP

RELATED SEQUENCES AVAILABLE WITH SEQLINK
DR 102586-10-7, 71873-71-7, 72648-87-4
MF C59 H84 N16 O12
CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CBNB, CEN, CHEMCATS, CIN, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, PHAR, PROMT, PROUSDDR, PS, RTECS*, TOXCENTER, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: WHO
DT.CA CAplus document type: Conference; Dissertation; Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); PRP (Properties)

Absolute stereochemistry. Rotation (-).

PAGE 1-A



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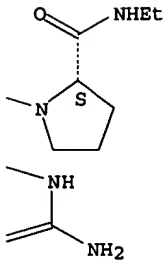

702 REFERENCES IN FILE CA (1907 TO DATE)
17 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
706 REFERENCES IN FILE CAPLUS (1907 TO DATE)

Search done by Noble Jarrell

L3 ANSWER 19 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN 51110-01-1 REGISTRY
CN Somatostatin (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Aminopan
CN AY 24910
CN GH-RIF
CN Growth hormone release-inhibiting factor
CN Growth hormone release-inhibiting hormone
CN Panhibin
CN SIF
CN Somatostatin-14
CN Somatotropin release-inhibiting factor
CN Somatotropin release-inhibiting hormone
CN Somiaton
CN SRIF
CN SRIF 14
DR 56451-83-3, 52500-64-8, 53126-12-8
MF Unspecified
CI MAN
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, EMBASE, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, MEDLINE, PHAR, PROMT, RTECS*, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
11581 REFERENCES IN FILE CA (1907 TO DATE)
798 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
11595 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 20 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN 38234-21-8 REGISTRY
CN 1-9-Luteinizing hormone-releasing factor (swine), 9-(N-ethyl-L-prolinamide)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Luteinizing hormone-releasing factor (pig), 9-(N-ethyl-L-prolinamide)-10-deglycinamide-
OTHER NAMES:
CN (des-Gly-NH210, Pro-ethylamide9)-LH-RH
CN 7: PN: WO0174377 FIGURE: 1 claimed protein
CN 9-(Ethylamide)Pro-10-des-Gly-NH2-gonadotropin-releasing hormone
CN 9-(Ethylamide)Pro-10-des-Gly-NH2-LH-releasing factor
CN Des-10-glycine-LH-RH-ethylamide
CN Des-Gly-10-NH2-LH-RH ethylamide
CN Fertirelin
CN H 4055
CN PGlu-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro-ethylamide
CN TAP 031
CN [10-Deglycinamide-9-proline ethylamide]-LH-releasing factor
CN [10-Des-Gly-NH2, 9-Pro-ethylamide]-LH-releasing factor
CN [Des-Gly-NH210, Pro-ethylamide9]-LH-releasing factor
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified (modifications unspecified)

type	------ location ------	description

uncommon	Glp-1	-	-

PATENT ANNOTATIONS (PNTE):

Sequence Source	Patent Reference
Not Given	WO2001074377
	claimed
	FIGURE 1

SEQ 1 XHWSYGLRP

RELATED SEQUENCES AVAILABLE WITH SEQLINK

DR 56136-31-3, 70910-43-9
MF C55 H76 N16 O12
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CHEMCATS, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, TOXCENTER, USAN, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: WHO
DT.CA CAplus document type: Conference; Dissertation; Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
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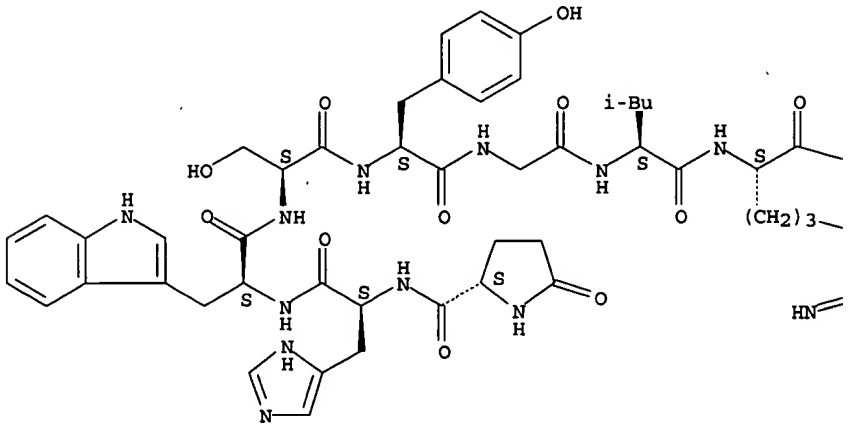
Absolute stereochemistry.

PAGE 1-A



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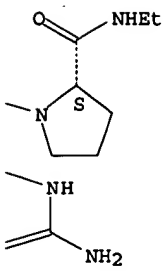


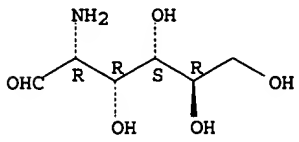
124 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
125 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 21 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN **35110-26-0** REGISTRY
CN D-Glucose, 2-amino-2-deoxy-, homopolymer (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Poly(2-deoxy-2-aminoglucose)
CN Poly(D-glucosamine)
CN Polyglucosamine
FS STEREOSEARCH
MF (C6 H13 N O5)x
CI PMS, COM
PCT Polyazomethine, Polyazomethine formed
LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, CEN, CIN, DIOGENES, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPAT2, USPATFULL
DT.CA CAplus document type: Journal; Patent; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses); NORL (No role in record)
RLD.NP Roles for non-specific derivatives from non-patents: PREP (Preparation); USES (Uses)

CM 1

CRN 3416-24-8
CMF C6 H13 N O5

Absolute stereochemistry. Rotation (+).



67 REFERENCES IN FILE CA (1907 TO DATE)
13 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
67 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 22 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN **9012-76-4** REGISTRY
CN Chitosan (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 100D-VL
CN Amidan
CN BC 10
CN BC 10 (polysaccharide)

CN Biopolymer L 112
CN Chicol
CN Chirosan 100
CN Chitan, N-acetyl-
CN Chitech
CN Chitin, N-deacetyl-
CN Chitoclear
CN Chitoclear 400
CN Chitofos
CN Chitolaze
CN Chitopearl 3510
CN Chitopearl BC 3000
CN Chitopearl BCW 2500
CN Chitopearl BCW 3000
CN Chitopearl BCW 3500
CN Chitopearl BCW 3505
CN Chitopearl BCW 3507
CN Chitopearl K 20
CN Chitosan 10B
CN Chitosan 500
CN Chitosan CLH
CN Chitosan EL
CN Chitosan F
CN Chitosan FL
CN Chitosan H
CN Chitosan LL
CN Chitosan LL 80
CN Chitosan LLWP
CN Chitosan M
CN Chitosan MP
CN Chitosan PSH
CN Chitosan SK 10
CN Chitosan VL
CN Chitosan WL-M
CN Chitosol
CN Chitosom
CN Crystan LA-S
CN CTA 1 Lactic Acid
CN CTA 4
CN DAC 50
CN DAC 70
CN Daichitosan 100DVL
CN Daichitosan DVL
CN Daichitosan L
CN Daichitosan P-VL
CN Daichitosan VL
ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for DISPLAY
DR 57285-05-9, 191045-06-4
MF Unspecified
CI PMS, COM, MAN
PCT Manual registration, Polyother, Polyother only
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DIOGENES, DRUGU, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSRESEARCH, IPA, MEDLINE, NAPRALERT, PHAR, PIRA, PROMT, RTECS*, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: NDSL**, TSCA**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
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2572 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
14679 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 23 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN **9002-64-6** REGISTRY
CN Parathormone (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Hormones (animal), parathyroid
CN Kakerbin
CN Parathormone(1-84)
CN Parathyrin
CN Parathyroid hormone
CN Parathyroidin
CN Paroidin
CN PTH
DR 8002-77-5, 9039-27-4
MF Unspecified
CI PMS, COM, MAN
PCT Manual registration
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, NAPRALERT, PHAR, PROMT, RTECS*, TOXCENTER, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
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11152 REFERENCES IN FILE CA (1907 TO DATE)
320 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
11172 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 24 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN **123-62-6** REGISTRY
CN Propanoic acid, anhydride (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Propionic anhydride (6CI, 8CI)
OTHER NAMES:
CN Methylacetic anhydride
CN Propanoic anhydride
CN Propionic acid anhydride
CN Propionyl oxide
FS 3D CONCORD
MF C6 H10 O3
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DETHERM*, DIPPR*, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
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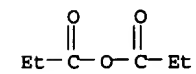

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48 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 25 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN **108-55-4** REGISTRY
CN 2H-Pyran-2,6(3H)-dione, dihydro- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Glutaric anhydride (6CI, 7CI, 8CI)
OTHER NAMES:
CN Dihydro-2H-pyran-2,6(3H)-dione
CN Glutaric acid anhydride
CN NSC 16640
CN Pentanedioic acid anhydride
CN Pentanedioic anhydride
CN Pyroglutaric acid
FS 3D CONCORD
MF C5 H6 O3
CI COM
LC STN Files: BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DDFU, DETHERM*, DIPPR*, DRUGU, HODOC*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS, NIOSHTIC, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
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DT.CA CAplus document type: Conference; Dissertation; Journal; Patent
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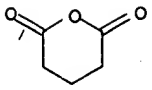

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29 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 26 OF 26 REGISTRY COPYRIGHT 2004 ACS on STN
RN 108-30-5 REGISTRY
CN 2,5-Furandione, dihydro- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Succinic anhydride (8CI)
OTHER NAMES:
CN 2,5-Diketotetrahydrofuran
CN Butanedioic anhydride
CN Dihydro-2,5-furandione
CN NSC 8518
CN Rikacid SA
CN Succinic acid anhydride
CN Succinyl anhydride
CN Succinyl oxide
CN Tetrahydro-2,5-dioxofuran
CN Tetrahydro-2,5-furandione
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LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
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DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
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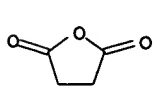

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9419 REFERENCES IN FILE CAPLUS (1907 TO DATE)
59 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

Search done by Noble Jarrell

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COPYRIGHT (C) 2004 THE THOMSON CORPORATION

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AN   2000-399256 [34]   WPIX
CR   1997-042841 [04]
DNC  C2000-120486
TI   Composition for controlled drug delivery of polypeptide compounds,
     comprising N-acylated copolymers of poly(2-amino-2-deoxy-D-glucose)
     partially ionically bound with the polypeptide.
DC   A96 B04
IN   IGNATIOUS, F X; JACKSON, S A; MOREAU, J; RUSSELL, R M; SHALABY, S W
PA   (SCRC) SOC CONSEILS RECH & APPL SCI; (KINE-N) KINERTON LTD; (SCRC) SAS SOC
     CONSEILS RECH & APPL SCI; (SCRC) SCRAS SOC CONSEILS RECH & APPL SCI;
     (IGNA-I) IGNATIOUS F X; (JACK-I) JACKSON S A; (MORE-I) MOREAU J; (RUSS-I)
     RUSSELL R M; (SHAL-I) SHALABY S W; (BIOM-N) BIOMEASURE INC
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NOVELTY - A copolymer comprising an N-acylated derivative of poly(2-amino-2-deoxy-D-glucose, and a composition comprising the polymer and a polypeptide with at least one ionogenic amine, and in which at least 50 weight% of the polypeptide is ionically bound to the polymer, are useful in controlled release polypeptide drug delivery systems.

DETAILED DESCRIPTION - A copolymer comprising an N-acylated derivative of poly(2-amino-2-deoxy-D-glucose), in which 1-50%, by weight, of the free amines of the derivative are acylated with a first acyl group COE1, and 50-99%, by weight, are acylated with a second acyl group COE2, is new. E1 = 3-33C carboxyalkyl, 3-33C carboxyalkenyl, 7-39C carboxyarylalkyl or 9-39C carboxyarylalkenyl, E2 = 1-30C alkyl, 2-30C alkenyl, 6-37C arylalkyl or 8-37C arylalkenyl, and at least one of the free amines is acylated with the first acyl group.

USE - The composition is used for the controlled drug delivery of polypeptides.

ADVANTAGE - The release of the polypeptide from the composition can be varied by e.g. increasing the molecular weight of the polymer to decrease the release rate, and increasing the number of carboxylic acid groups on the polymer to increase the amount of polypeptide bound to the composition, and the amount to be released. Treating the composition with soluble salts of di- or polyvalent metals and weak acids, or coating or microencapsulating with e.g. an absorbable glycolide copolymer, will alter the release rate.

Dwg.0/0
FS CPI
FA AB; GI; DCN
MC CPI: A03-A00A; A03-C01; A10-E17; A12-V01; B04-C01; B04-C02; B07-A02B

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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 17 NOV 2004 HIGHEST RN 783276-57-3
DICTIONARY FILE UPDATES: 17 NOV 2004 HIGHEST RN 783276-57-3

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

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L6 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN
RN 215717-91-2 REGISTRY
CN L-Threoninamide, 3-(2-naphthalenyl)-D-alanyl-L-cysteinyl-L-tyrosyl-D-tryptophyl-L-lysyl-L-cysteinyl-, cyclic (2.fwdarw.6)-disulfide (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE modified

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bridge	Cys-2	- Cys-6		disulfide bridge
modification	Ala-1		-	2-naphthalenyl<2-Naph>

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RELATED SEQUENCES AVAILABLE WITH SEQLINK
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SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL
DT.CA CAplus document type: Conference; Patent
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RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.

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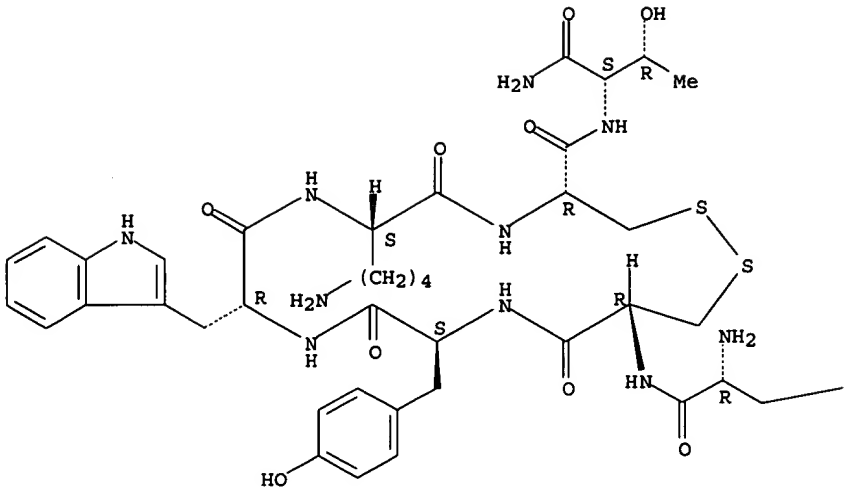

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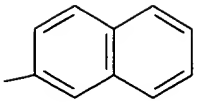

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FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE modified

type	------ location ------		description
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bridge	Cys-2	- Cys-6	disulfide bridge
modification	Ala-1	-	1-naphthalenyl<1-Naph>

SEQ 1 ACYWKCT
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HITS AT: 1-7

RELATED SEQUENCES AVAILABLE WITH SEQLINK
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SR CA

Search done by Noble Jarrell

LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA CAplus document type: Conference
RL.NP Roles from non-patents: BIOL (Biological study); PRP (Properties)

Absolute stereochemistry.

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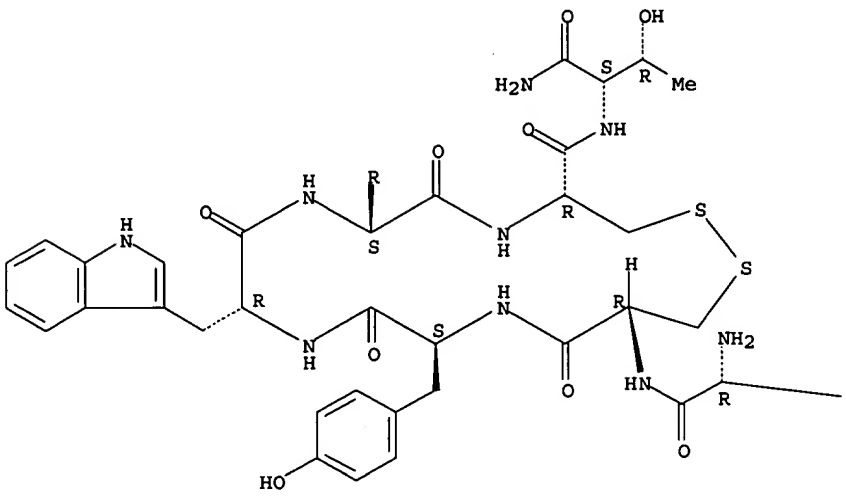

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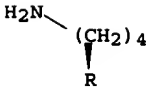

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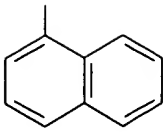

1 REFERENCES IN FILE CA (1907 TO DATE)
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     FILE 'REGISTRY' ENTERED AT 14:02:54 ON 18 NOV 2004

     FILE 'HCAPLUS' ENTERED AT 14:02:56 ON 18 NOV 2004
L2             TRA L1 1- RN :       26 TERMS

     FILE 'REGISTRY' ENTERED AT 14:02:56 ON 18 NOV 2004
L3          26 SEA L2

     FILE 'WPIX' ENTERED AT 14:02:59 ON 18 NOV 2004
               E WO99-US23406/AP,PRN
L4           1 E3

     FILE 'REGISTRY' ENTERED AT 14:10:25 ON 18 NOV 2004
L5          57 S .CYWKCT/SQSP
L6           2 L5 AND C6-C6/ES

     FILE 'HCAPLUS' ENTERED AT 14:40:05 ON 18 NOV 2004
L7           3 L6
               E SHALABY S/AU
L8         109 E3,E10
               E SHALABY SHALABY/AU
L9         182 E4-6
               E JACKSON S/AU
L10        149 E3-4
               E JACKSON STEV/AU
L11         16 E4,E7-9
               E IGNATIOUS F/AU
L12         30 E3-5
               E MORREAU J/AU
L13          3 E3
               E RUSSELL R/AU
L14         78 E3,E27-28
               E RUSSELL RUTH/AU
L15          4 E3,E6-7
L16        338 (KINERTON OR BIOMEASURE OR BIO (1A) MEASURE? OR SOCIETE (1A)CON
L17          0 L7 AND L8-16

=> b hcap
FILE 'HCAPLUS' ENTERED AT 14:44:41 ON 18 NOV 2004
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FILE COVERS 1907 - 18 Nov 2004 VOL 141 ISS 21
FILE LAST UPDATED: 17 Nov 2004 (20041117/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d all l7 tot

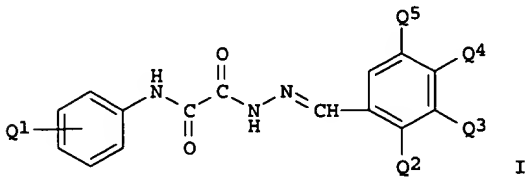
L7 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1999:690834 HCAPLUS
DN 131:307099
ED Entered STN: 29 Oct 1999
TI Use of somatostatin derivatives and/or of phenylhydrazone derivatives as antiinflammatory or analgetic agents
IN Keri, Gyorgy; Szolcsanyi, Janos; Pinter, Erika; Helyes, Zsuzsanna; Erchegyi, Judit; Horvath, Aniko; Horvath, Judit; Teplan, Istvan; Orfi, Laszlo
PA Biostatin Gyogyszerkutato-Fejleszto Kft., Hung.
SO Eur. Pat. Appl., 20 pp.
CODEN: EPXXDW
DT Patent
LA English
IC ICM C07K014-655
ICS A61K038-31; A61K031-15; C07C251-86
CC 1-11 (Pharmacology)
Section cross-reference(s): 2
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 952159	A2	19991027	EP 1999-107392	19990423
	EP 952159	A3	20000809		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	CA 2269995	AA	19991027	CA 1999-2269995	19990423
	JP 2000001439	A2	20000107	JP 1999-118238	19990426
	US 2001009899	A1	20010726	US 2001-754598	20010105
	US 6689813	B2	20040210		
PRAI	HU 1998-970	A	19980427		
	US 1999-296626	A3	19990423		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
EP 952159	ICM	C07K014-655
	ICS	A61K038-31; A61K031-15; C07C251-86
US 2001009899	ECLA	A61K038/31; C07C251/86; C07K014/655A

OS MARPAT 131:307099
GI



I

AB The invention relates to the use of peptide amides R1X1NHCH[(CH2)kR2]COX2X3NHCH[(CH2)nR3]CONHCH[(CH2)kR4]COX4NH2 [X1, X3 = aromatic D-amino acid; X2 = (hydroxyl-substituted) aromatic amino acid; X4 = Thr, Trp; k = 0-3; n = 0, 3, 4;] and phenylaminooxoacetic acid derivs. I (Q1 = H, halo, OH, nitro, amino, C1-4 alkyl, C1-4 alkoxy; Q2 = H, halo, OH, nitro; Q3 = H, halo, OH, nitro, CF3, C1-4 alkyl, C1-4 alkoxy; Q4, Q5 = H, halo, OH, nitro, CF3, C1-4 alkyl, C1-4 alkoxy, C1-3 dialkylamino), as well as the salts of the above compds., as active substances for the preparation of pharmaceutical compns. possessing neurogenic and non-neurogenic antiinflammatory and analgetic effects.
ST somatostatin deriv phenylhydrazone deriv analgesic antiinflammatory; phenylaminooxoacetate deriv analgesic antiinflammatory
IT Analgesics

Anti-inflammatory agents
(somatostatin derivs. and/or of phenylhydrazone derivs. as antiinflammatory or analgetic agents)

IT 51110-01-1D, Somatostatin, derivs. 107543-29-3 147159-51-1, TT-232
169120-28-9 169120-32-5 169120-33-6 172868-04-1 215717-90-1
215717-91-2 215717-92-3 215717-95-6 215717-96-7
247196-17-4 247196-18-5 247578-71-8 247578-72-9 247578-73-0
247578-74-1 247578-75-2 247578-76-3 247578-77-4D, derivs.
247578-78-5 247578-79-6 247578-80-9 247578-81-0 247578-82-1
247591-29-3
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(somatostatin derivs. and/or of phenylhydrazone derivs. as antiinflammatory or analgetic agents)

IT 33507-63-0, Substance P 51110-01-1, Somatostatin 83652-28-2, CGRP
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(somatostatin derivs. and/or of phenylhydrazone derivs. as antiinflammatory or analgetic agents)

L7 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1998:597770 HCAPLUS
DN 130:4050
ED Entered STN: 22 Sep 1998
TI Somatostatin octa- and heptapeptides, structural and biological characteristics
AU Horvath, A.; Vadasz, Zs.; Csuka, O.; VanBinst, G.; Jaspers, H.; Idei, I.; Erchegyi, J.; Seprodi, J.; Horvath, J.; Mezo, I.; Teplan, I.; Keri, Gy.
CS Department of Medical Chemistry, Peptide Biochemistry Research Group, Semmelweis University of Medicine, Budapest, H-1444, Hung.
SO Peptides 1996, Proceedings of the European Peptide Symposium, 24th, Edinburgh, Sept. 8-13, 1996 (1998), Meeting Date 1996, 483-484.
Editor(s): Ramage, Robert; Epton, Roger. Publisher: Mayflower Scientific, Kingswinford, UK.
CODEN: 66RCA5
DT Conference
LA English
CC 34-3 (Amino Acids, Peptides, and Proteins)
Section cross-reference(s): 2
AB A symposium report on the preparation and in vitro growth hormone inhibitory and antiproliferative effects of analogs of H-D-Phe-Cys-Tyr-D-Trp-Lys-Cys-Thr-NH2 cyclic disulfide (TT-232).
ST somatostatin analog prepn growth hormone inhibitor symposium; antiproliferative activity TT 232 analog prepn symposium
IT Cytotoxic agents
(preparation, growth hormone inhibitory activity, and antiproliferative activity of somatostatin peptide analogs)
IT Growth hormone receptors
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(preparation, growth hormone inhibitory activity, and antiproliferative activity of somatostatin peptide analogs)
IT Proliferation inhibition
(proliferation inhibitors; preparation, growth hormone inhibitory activity, and antiproliferative activity of somatostatin peptide analogs)
IT 51110-01-1P, SRIF 147159-50-0DP, TT 248, analogs 147159-51-1DP, analogs 183580-29-2P 183580-32-7P 215717-90-1P 215717-91-2P
215717-92-3P 215717-93-4P 215717-94-5P 215717-95-6P 215717-96-7P
215717-97-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation, growth hormone inhibitory activity, and antiproliferative activity of somatostatin peptide analogs)
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Jaspers, H; Int J Peptide Protein Res 1994, V43, P271 HCAPLUS
(2) Keri, G; Biochem Biophys Res Comm 1993, V191, P681 HCAPLUS

L7 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1996:639525 HCAPLUS
DN 125:317630
ED Entered STN: 30 Oct 1996
TI Conformationally restricted new somatostatin analogs
AU Horvath, A.; Jaspers, H.; Peter, A.; Keri, Gy.; Tourwe, D.; Bokonyi, Gy.;

Laus, G.; Csernus, V.; Csuka, O.; et al.
CS 1st Institute Biochemistry, Semmelweis Medical University, Budapest, H-1444, Hung.
SO Peptides 1994, Proceedings of the European Peptide Symposium, 23rd, Braga, Port., Sept. 4-10, 1994 (1995), Meeting Date 1994, 564-565. Editor(s): Maia, Hernani L. S. Publisher: ESCOM, Leiden, Neth.
CODEN: 63MBAO
DT Conference
LA English
CC 2-2 (Mammalian Hormones)
Section cross-reference(s): 1
AB The synthesis of structural analogs of somatostatin has led to the design of several compds. with improved potencies and/or selective biol. activity. One of these analogs, with a five-residue ring (D-Phe-Cys-Tyr-D-Trp-Lys-Cys-Thr-NH2, TT-232), showed no endocrine but very strong antiproliferative effects in a large variety of cells. Conformational study of the analog revealed a deviation from the typical structural features necessary for somatostatin-like endocrine effects and characteristic to the analogs derived from the Sandoz compound [D-Phe-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr(ol)]. In order to find a general model for somatostatin analogs with selective antitumor activity, the authors synthesized 10 new somatostatin analogs that are related to TT-232 or to the Sandoz compound The authors studied their effect on GH inhibition and cell growth as well as their conformation.
ST somatostatin analog conformation activity; TT 232 analog conformation activity
IT Cell proliferation
Conformation and Conformers
Neoplasm inhibitors
(conformationally restricted new somatostatin analogs)
IT 51110-01-1D, Somatostatin, analogs 147159-51-1 **183580-27-0** 183580-28-1 183580-29-2 183580-30-5 183580-31-6 183580-32-7 183580-33-8
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(conformationally restricted new somatostatin analogs)
IT 9002-72-6, Growth hormone
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(conformationally restricted new somatostatin analogs)

=> b home
FILE 'HOME' ENTERED AT 14:44:57 ON 18 NOV 2004

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